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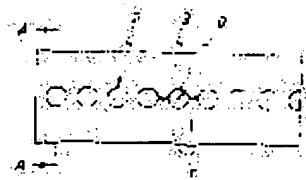
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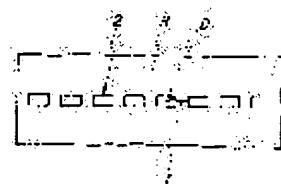
(54) SEMICONDUCTOR DEVICE AND MANUFACTURE THEREOF

(57)Abstract:

PURPOSE: To enhance the productivity at manufacturing time, to provide stable performance for variations in the manufacturing conditions and to increase the effective area by providing and patterning regions from which semiconductor is removed in a broken line state in a semiconductor which contains an amorphous semiconductor.



CONSTITUTION: Regions removed in broken line state are formed by mounting a semiconductor which contains an amorphous semiconductor formed on an electrode separately presented on the same substrate, for example, on a table such as an X-Y table, and an energy beam remains as it is while moving the table or the beam is emitted while scanning. The shape of the beam to be emitted to the semiconductor is generally near circular. The shape is frequently of square, rectangular, elliptical or parallelogram shape by disposing slits in the beam. The semiconductor is removed by one pulse, and the shape of the removed region is determined in response to the emitting area shape, the intensity distribution and the table moving speed.



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